

ABSTRACT OF THE DISCLOSURE

In supplying crystalline materials in the Czochralski method, it is made use of an apparatus equipped with an inner vessel having an opening portion at the lower part or bottom thereof, which is to be charged with a granular solid material, an outer vessel containing the inner vessel therein with the function of sliding movement and thus closing the opening portion, and pull-up means for suspending the inner vessel and outer vessel in a manner causing them to ascend or descend, wherein the opening portion is opened through a sliding motion of the inner vessel or outer vessel for additional charging or recharging of the solid material into the molten material in the crucible, with the result that the molten material in the crucible can be prevented from splashing, the additional charging can be carried out in a static manner, the material cost becomes low and there is no risk of cracking due to rapid heating. Further, the productivity in silicon single crystal growing can be improved, the crucible can be used efficiently and the life of the furnace parts can be prolonged and, as a result, the cost of silicon single crystal growing can be markedly reduced.